

## Meeting Minutes- Design Review- 2/12/2019

### Present-

- Emily Kliewer
- Jake Hemphill
- Ray
- Dr. Rezaie
- Melissa Bogert
- Dr. Swenson
- Courtney Wanke
- Guest #2

Note: Please see the Design Review Document for more information on the current design status

### Design:

Design Analysis completed using 2015 National Design Specifications and 2012 ASD LFRD Manual for engineered wood construction

We will need a support every 24 in with nails placed at least 4D apart

Consider the moisture in the air and the effects this will have on the box

### Blower:

#### Suggestions

- Consider looping the air around
- Shield the blower to keep hands safe
- Possible use 2?

### Safety Notes:

- Buy eye wear and respirator

### Data Acquisition:

We will build the system using sensors, amplifiers, and arduinos

#### Suggestions

- Be careful with serial print bogging down data acquisition
- BE careful of the collection gathering too much data (ie, make sure we have a method of gathering large file and converting it to usable data)
- Consider the excel file formats and all the systems you can use with that (python, matlab, etc.) (Tsong files can be expanded into a database sorting data)

### General Presentation Notes:

- Update Dates/schedule
- Zoom in on import sections

#### To Do in Future/ Consider

- Consider how to use the extra budget to make project better
- Next Weekend Start Building- meet Ray at ten at Moscow Building Supply